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PATENT SPECIFICATION

DRAWINGS ATTACHED

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COMPLETE SPECIFICATION

Built-in Furniture Component

We, S. HILLE & COMPANY LIMITED, a company organised under the laws of Great Britain, of 134 St. Albans Road, Watford, Hertfordshire, and VERSATILE FITTINGS (W.H.S.) LIMITED, a company organised under the laws of Great Britain, of 10 New Fetter Lane, London, E.C.4., do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention comprises a bracket component for use in erecting wall panels or partitioning generally and is especially concerned with a component for use in making up cupboards or similar built-in furniture.

According to the present invention, a bracket component for use in built-in furniture comprises an elongated bracket arm of or comprising a T-section, the arm having at or adjacent one end a perpendicularly projecting member, by which it may be secured to a wall or wall fixing, and at or towards its other end an apertured lug extending from the stem of the T-section, the stem and the lug being adapted to extend into a slot in the end of a furniture panel.

In carrying out the invention the bracket arm may be formed of T-section or cruciform section (which may be considered as two T-sections back to back) extruded metal strip, which is cut to a suitable length and has secured to or adjacent to one end a perpendicular upwardly extending plate, by which the arm can be slidably connected to a channel section wall strip. Secured to the stem (or one of them) of the T or cruciform section at or near its forward end is a lug having an elongated hole to receive a fixing bolt passed through a furniture panel, e.g. the side wall panel of a cupboard, in a slot in the end of which the lug and stem are received.

The invention is illustrated in the accom-

panying drawing in which:

Figure 1 is an elevation of a bracket arm for use in the erection of a partition wall, generally an end or partition panel in a cupboard or other piece of furniture,

Figure 2 is a part plan view showing the arm when fitted to a vertical channel.

Figure 3 is a section on the line 3—3 of Figure 1,

Figure 4 is a view corresponding to Figure 1 but showing a modified form of bracket arm for use with a horizontal channel.

Figure 5 is a perspective view and

Figure 6 is a plan view of a partially assembled two compartment cupboard made up with bracket arms in accordance with the invention.

Referring first to Figures 1 and 2 of the drawings, W indicates a wall in which is embedded or otherwise attached a length of metal channel section strip indicated generally at 1 to receive a bracket arm 2 which is to be used to support panelling such as a shelf or partition panel or one wall of a built-in cupboard.

In the embodiment illustrated the channel 1 is of U-shape in cross-section with side walls 3, each wall having an inturned end-flange 4 forming part of stiffening channels indicated generally at 5, the two channels forming a neck 6 behind which channels engages a nut element 7 of a nut and bolt fixing device, the bolt being indicated at 8, by means of which the bracket arm is adjustably secured to the wall channel 1.

The bracket arm illustrated is constructed from a T-section metal bar, the vertical limb or stem of the T being formed with a downwardly projecting lug 10 provided with an elongated hole 11, the lug 10 being inset from the outer end of the bar. At its inner end the bar has a perpendicularly extending plate 12, in which is a hole for a fixing bolt, by which it can be adjustably attached to a wall or wall fixing, e.g. the wall rail 1.

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When used in conjunction with the wall rail 1 having the channelled side parts 5, these provide seatings to receive the plate 12 so that when the nut and bolt 7, 8 has been tightened, it will be firmly held in position against the rail. 13 indicates a washer element.

Between the outer end of the bar and the lug 10 the flanges of the bar are provided with holes of which conveniently there may be three, two in one flange and one in the other, for attachment thereto of a hinge plate for supporting a door member when the bar is used in making up a cupboard.

When erecting a cupboard panel it is preferred to use a pair of bracket arms, one at the top and the other along the bottom of the panel.

Referring now to Figures 5 and 6, it will be seen that each of three side panels defining the walls of a two compartment cupboard and indicated respectively at P, P1, P2 are supported along their upper and lower edges by means of a bracket arm such as shown in Figures 1 and 2.

It will be understood that the bars can be adjusted to any required height and to suit any size of cupboard simply by moving the two bars up or down the wall strip 1. In order to facilitate adjustment it is preferred to use a self-locking nut and for this purpose the nut 7 is formed with angled sides (see Figure 3 so that when the screw is turned to tighten the nut will jam itself in the groove.

Referring now to Figure 4 where the bar 2 is to be used in conjunction with a horizon-

tally extending surface mounted wall rail, the bar is modified by positioning the plate, indicated at 12¹ adjacent but slightly short of the end of the arm so as to accommodate the depth of the rail and to enable the top web of the bar (the cross-piece of the T) to lie against the underside of the channel.

It will be understood that instead of the T section bar described, a cruciform section may be used, this being in effect two T-sections back to back.

WHAT WE CLAIM IS:—

1. A bracket component for use in built-in furniture comprising an elongated bracket arm of or comprising a T-section, the arm having at or adjacent one section end a perpendicularly projecting member, by which it may be secured to a wall or wall fixing, and at or towards its other end an apertured lug extending from the stem of the T-section, the stem or the lug being adapted to extend into a slot in the end of a furniture panel.

2. A bracket component substantially as described and illustrated in the accompanying drawings.

3. A cupboard or similar article of built-in furniture having at least one panel secured between a pair of bracket arms as claimed in either one of claims 1 or 2.

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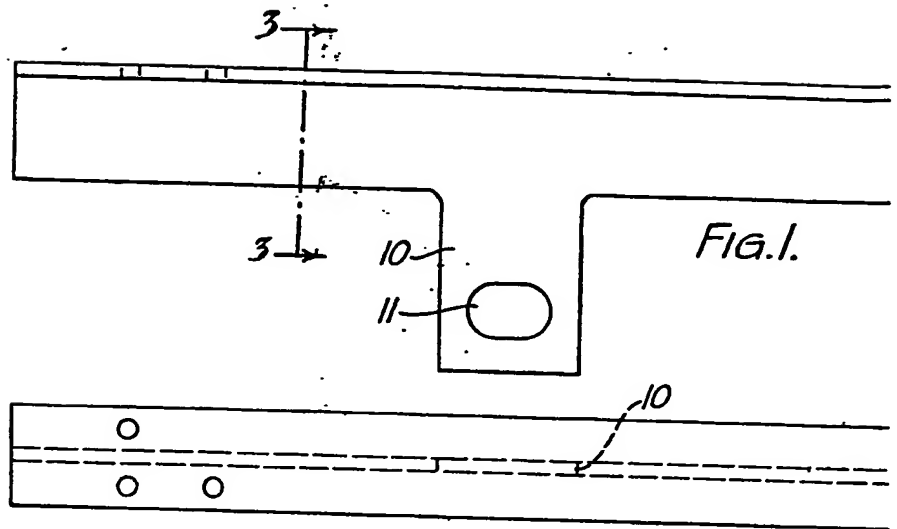


FIG. 2.

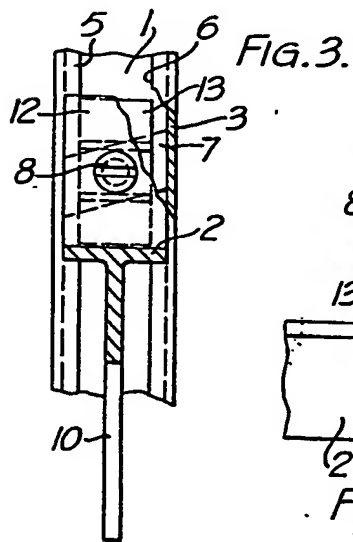
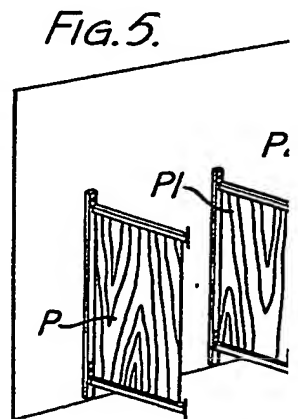


FIG. 4.



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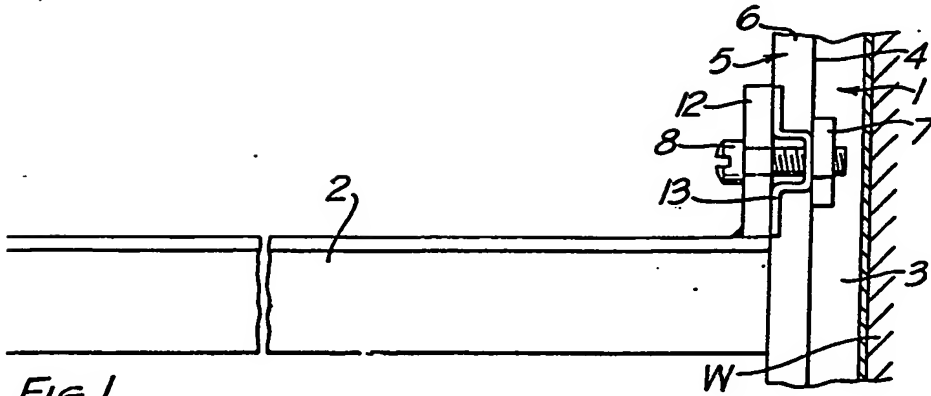


Fig. 1.

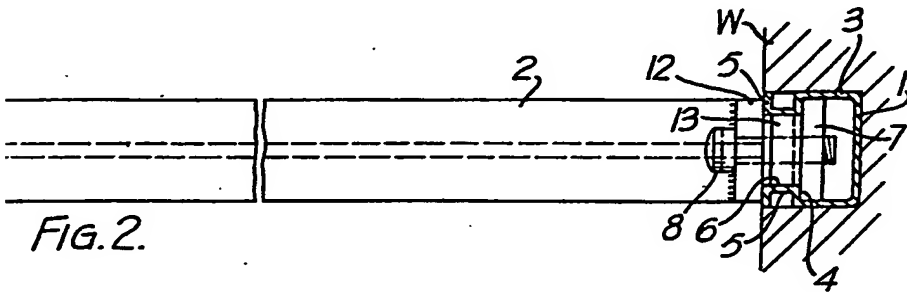
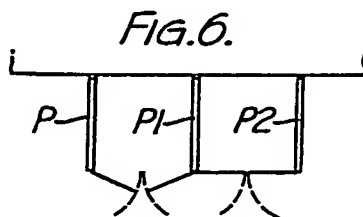
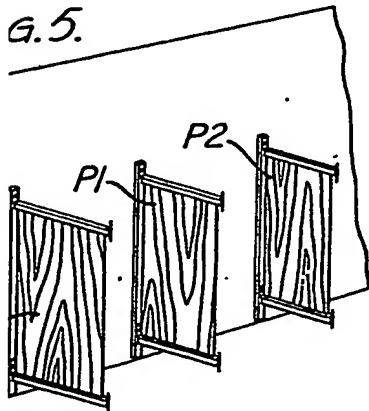
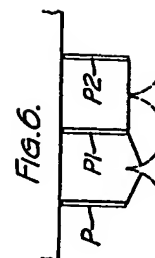
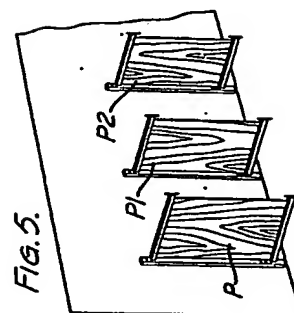
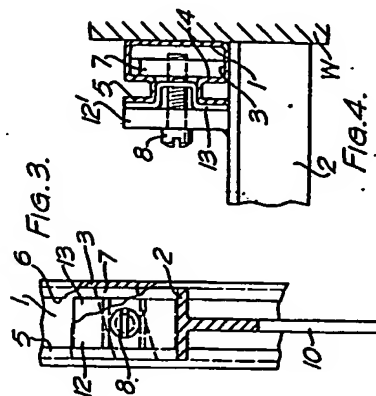
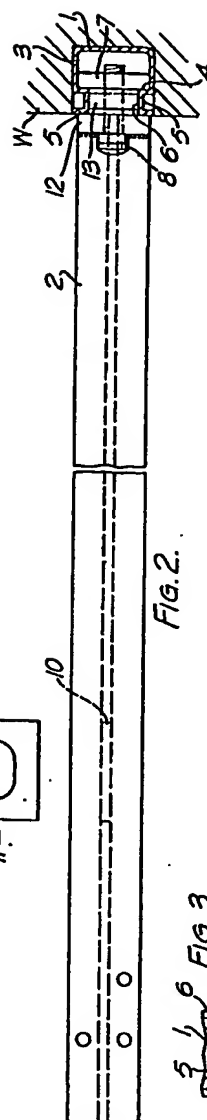
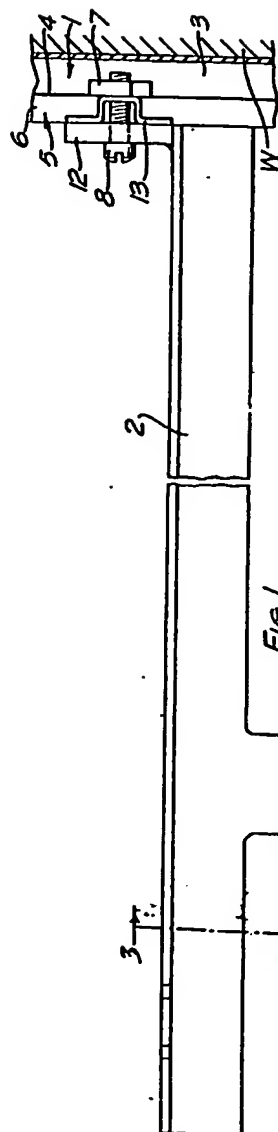


Fig. 2.



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